

Assignment 2-1 The Sum of the Digits of Positive Integers

You are given a positive integer n . In this problem you'll have to find out the sum of the digits of n .

Input

The input consists of t ($30 \leq t \leq 40$) test cases. The first line of the input contains only positive integer t . Then t test cases follow. Each test case consists of exactly one line with a positive integer n which is less than 2^{31} .

Output

For each such positive integer, you are to output a single line consists of the sum of the digits of n .

Sample Input

```
1
12345
```

Sample Output

```
15
```